

<b>LIST OF REFERENCES CITED BY APPLICANT</b> <i>(Use several sheets if necessary)</i> <b>PTO FORM 1449</b>		ATTY. DOCKET NO. 00801.0172.000US00	APPLICATION NO. 09/771,009
		APPLICANT <i>Steven P. Holzberg, et al.</i>	
		FILING DATE January 25, 2001	GROUP

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<b>U.S. PATENT DOCUMENTS</b>							
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>JH</i>	1.	4,885,248	12/05/99	Ahlquist	435	172.3	03/09/87
	2.	5,173,410	12/22/92	Ahlquist	435	91	10/03/89
	3.	5,316,931	05/31/94	Donson, et al.	435	172.3	07/31/92
	4.	5,466,788	11/14/95	Ahlquist, et al.	536	24.1	08/25/94
	5.	5,491,076	02/13/96	Carrington, et al.	435	70.1	11/01/93
	6.	5,500,360	03/19/96	Ahlquist, et al.	435	172.3	03/14/94
	7.	5,539,093	07/23/96	Fitzmaurice, et al.	536	23.2	06/16/94
	8.	5,589,367	12/31/96	Donson, et al.	435	172.3	01/19/94
	9.	5,602,242	02/11/97	Ahlquist, et al.	536	23.72	05/22/95
	10.	5,627,060	05/06/97	Ahlquist, et al.	435	172.3	06/07/95
	11.	5,811,653	09/22/98	Turpen	800	205	12/29/93
	12.	5,866,785	02/02/99	Donson, et al.	800	205	06/07/95
	13.	5,889,190	03/30/99	Donson, et al.	800	288	06/07/95
<i>✓</i>	14.	5,922,602	07/13/99	Kumagai, et al.	435	468	06/16/94
<i>✓</i>	15.	5,977,438	11/02/99	Turpen, et al.	800	288	10/14/94

**FOREIGN PATENT DOCUMENTS**

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCL ASS	TRANSLATION	
							YES	NO
<i>JH</i>	16.	WO 92/18618	29/10/92	PCT			X	
	17.	WO 96/12027	25/04/96	PCT			X	
	18.	WO 97/42210	11/13/97	PCT			X	
	19.	WO 99/36516	07/22/99	PCT			X	

**OTHER REFERENCES***(Including Author, Title, Date, Pertinent Pages, Etc.)*

<i>JH</i>	20.	Ahlquist, P., et al, "Complete nucleotide sequence of brom mosaic virus RNA3," <i>J. Mol. Biol.</i> 153:23-28 (1981)
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MAY 21 2001  
PATENT & TRADEMARK OFFICE*

<i>[Signature]</i>	21.	Ausubel, Frederck, et al., <u>Current Protocols in Molecular Biology</u> , Greene Publishing and Wiley-Interscience, New York, (1987)
<i>[Signature]</i>	22.	Bartley, G.E. and Scolnik, P.A., "Plant carotenoids: pigments for photoprotection, visual attraction, and human health", <i>Plant Cell</i> <u>7</u> (7):1027-38 (1995)
	23.	Brunt, et al., "Plant Viruses Online: Descriptins and lists from the VIDE Database. Version: 16 <sup>th</sup> January ." URL <a href="http://biology.anu.edu.au/Groups/MES/VIDE/Dallwitz (1980) (1996)">http://biology.anu.edu.au/Groups/MES/VIDE/Dallwitz (1980) (1996)</a>
	24.	Chaplin, P.J., et al., "Production of interleukin-12 as a self-processing 2A polypeptide," <i>Interfferon Cytokine Res.</i> <u>19</u> (3):235-241 (1999)
	25.	Choi, I., et al., "A plant virus vector for systemic expression of foreign genes in cereals" <i>The Plant Journal</i> <u>23</u> (4): 547-555 (2000)
	26.	Chrispeels and Raikhel, <i>Plant Physiol.</i> <u>122</u> :1-2 (2000)
	27.	Crameri A., et al., "Improved green fluorescent protein by molecular evolution using DNA shuffling" <i>Nature Biotechnol</i> <u>14</u> (3):315-9 (1996)
	28.	Dawson, W., et al., "Regulation of Tobamovirus Gene Expression," <i>Adv. Virus Res.</i> , <u>38</u> :307-342 (1990)
	29.	DeFelipe, P. et al., "Use of the 2A sequence from foot-and-mouth disease virus in the generation of retroviral vectors for gene therapy" <i>Gene Ther.</i> <u>6</u> (2):198-208 (1999)
	30.	DeFelipe, P., and Izquierdo, M., "Tricistronic and tetracistronic retroviral vectors for gene transfer" <i>Hum. Gene Ther.</i> <u>11</u> (13):1921-31 (2000)
	31.	DeNoto, F.M., et al., "Human Growth hormone DNA sequence and mRNA structure: possible alternative splicing," <i>Nucleic Acids Res.</i> <u>9</u> :3719-3730 (1981)
	32.	Digby, M.R. and Lowenthal, J.W., "Cloning and Expression of the Chicken Interferon-y Gene," <i>J. Interferon Cytokine Res.</i> <u>15</u> (11):939-945 (1995)
	33.	Dijkstra, J., et al., <i>Practical Plant Virology: Protocols and Exercises</i> , Springer Verlag (1998)
	34.	Donald, R.G. and Andrew Jackson, "The Barley Stripe Mosaic Virus Yb Gene Encodes a Multifunctional Cysteine-Rich Protein That Affects Pathogenesis," <i>The Plant Cell</i> , <u>6</u> :1593-1606 (1994)
<i>[Signature]</i>	35.	Donnelly, M., et al., " The Cleavage activities of aphthovirus and cardiovirus 2A proteins," <i>Journal of Gen. Viro.</i> , <u>78</u> : 13-21 (1997)
	36.	Donson, J., et al., "Agrobacterium-Mediated Infectivity of Cloned Digitaria Streak Virus DNA," <i>Virology</i> <u>162</u> :248-250 (1988)
	37.	Elmer, J. Scott., et al., "Agrobacterium-mediated inoculation of plants with tomato golden mosaic virus DNA," <i>Plant Mol. Biol.</i> <u>10</u> :225-234 (1988)
<i>[Signature]</i>	38.	Fukuda, M., et al., "The Site of Initiation of Rod Assembly on the RNA of a Tomato and a Cowpea Strain of Tobacco Mosaic Virus," <i>Virology</i> <u>101</u> :493-502 (1980)

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DR. GEORGIA HELMER

2/6(67)

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O I P E J C 18  
MAY 21 2001  
PATENT & TRADEMARK OFFICE

<i>[Signature]</i>	39.	Gardiner, W., et al., "Genetic analysis of tomato golden mosaic virus: the coat protein is not required for systemic or symptom development," <i>EMBO J.</i> <u>7</u> :899-904 (1988)
<i>[Signature]</i>	40.	Gardner, R., et al., "Potato spindle tuber viroid infections mediated by the Ti plasmid of <i>Agrobacterium tumefaciens</i> ," <i>Plant Mol. Biol.</i> <u>6</u> :221-228 (1986)
	41.	Gopinath, K., et al., "Engineering cowpea mosaic virus RNA-2 into a vector to express heterologous proteins in plants," <i>Virol.</i> <u>267</u> (2):159-173 (2000).
	42.	Graham J.S., et al., "Wound-induced proteinase inhibitors from tomato leaves. I. The cDNA-deduced primary structure of pre-inhibitor I and its post-translational processing," <i>J Biol. Chem.</i> , <u>260</u> (11):6555-6560 (1985)
	43.	Grimsley, N., et al., Agrobacterium-mediated delivery of infectious maize streak virus into maize plants," <i>Nature</i> <u>325</u> :177-179 (1987)
	44.	Grimsley, N., et al., "Agroinfection, an alternative route for viral infection of plants by using the Ti plasmid," <i>Proc. Natl. Acad. Sci. USA</i> <u>83</u> :3282-3286 (1986)
	45.	Halpin, C., et al., "Self-processing 2A-polyproteins-a system for co-ordinate expression of multiple proteins in transgenic plants," <i>Plants J.</i> <u>17</u> (4):453-459 (1999)
	46.	Haupt, S., et al., "Evidence of Symplastic Phloem unloading in sink leaves of barley," <i>Plant Physiology</i> (in press) <u>125</u> : 209-218 (2001)
	47.	Hayes, R.J., et al., "Agroinfection of <i>Triticum aestivum</i> with cloned DNA of Wheat Dwarf Virus," <i>J. Gen. Virol.</i> <u>69</u> :891-896 (1988)
	48.	Jackson, A.O., and Hunter, B.G., "Hordeivirus relationships and genome organization," <i>Annu. Rev. Phytopathol.</i> <u>27</u> :95-121 (1989).
	49.	Jackson, A.O., et al., "Analysis of barley stripe mosaic virus pathogenicity," <i>Sem. Virol.</i> <u>2</u> :107-19 (1991).
	50.	Jarvik, J.W., and Telmer C.A., "Epitope tagging", <i>Annu Rev Genet.</i> , <u>32</u> :601-618 (1998).
	51.	Joshi, R.L., et al., "BSMV genome mediated expression of a foreign gene in dicot and monocot plant cells," <i>EMBO J.</i> <u>9</u> :2663-2669 (1998).
	52.	Kanegae, T., et al., "Species-Dependent Expression of the Hyoscyamine 6B-Hydroxylase Gene in the Pericycle," <i>Plant Physiol.</i> <u>105</u> (2):483-490 (1994).
	53.	Kokuho, T., et al., "Production of biologically active, heterodimeric porcine interleukin-12 using a monocistronic baculoviral expression system," <i>Vet. Immunol. Immunopathol.</i> <u>72</u> :(3-4):289-302 (1999)
	54.	Kumagai, M. H., et al. "Cytoplasmic inhibition of carotenoid biosynthesis with virus-derived RNA," <i>Proc. Natl. Acad. Sci. USA</i> <u>92</u> :1679-1683 (1995)
	55.	Kurisu, M., et al., "Biochemical Characterization of Cucumber Green Mottle Mosaic Virus Ribonucleic Acid," <i>Virol.</i> <u>70</u> :214-216 (1976)
<i>[Signature]</i>	56.	Lazarowitz, S., "Infectivity and complete nucleotide sequence of the genome of a South African isolate of maize streak virus," <i>Nucl. Acids Res.</i> <u>16</u> (1):229-249 (1988)

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jdh	57.	Lebeurier, G., et al., "Inside-out model for self-assembly of tobacco virus," <i>Proc. Natl. Acad. Sci. USA</i> <u>74</u> (1):149-153 (1977)
	58.	Li, Feng., et al., "Equine rhinovirus 1 is more closely related to foot-and-mouth disease virus than to other picornaviruses," <i>Proc. Natl. Acad. Sci. USA</i> <u>93</u> :990-995 (1996)
	59.	Liu, Y.G., et al., "Complementation of plant mutants with large genomic DNA fragments by transformation-competent artificial chromosome vector accelerates positional cloning," <i>Proc. Natl. Acad. Sci. USA</i> , <u>96</u> :6535-6540 (1999)
	60.	Matthews, R.E.F., <i>Virology</i> 3 <sup>rd</sup> Ed. Academic Press, San Diego, (1991)
	61.	Mattion, N.M., et al., "Foot-and-mouth disease virus 2A protease mediates cleavage in attenuated Sabin 3 poliovirus vectors engineered for delivery of foreign antigens," <i>J. Virol.</i> <u>70</u> (11):8124-8127 (1996).
	62.	McKinney H.H., and Greeley, L.W., "Biological characteristics of barley stripe mosaic virus strains and their evolution," <i>Technical Bulletin U.S. Department of Agriculture</i> 1324 (1965).
	63.	Meshi, T., et al., "Nucleotide Sequence of the Coat Protein Cistron and the 3' Noncoding Region of Cucumber Green Mottle Mosaic Virus (Watermelon Strain) RNA," <i>Virology</i> <u>127</u> :54-64 (1983)
	64.	Methods in Enzymol. (Vols. 68, 100, 101, 118 and 152-155) (1979, 1983, 1986 and 1987)
	65.	Miller, J. <i>Experiments in Molecular Genetics</i> , Cold Spring Harbor Laboratory, New York (1972)
	66.	Nagar, S., et al., "A Geminivirus Induces Expression of a Host DNA Synthesis Protein in Terminally Differentiated Plant Cells," <i>Plant Cell</i> <u>7</u> :705-719 (1995)
	67.	Napoli, C., et al., "Introduction of a Chimeric Chalcone Synthase Gene into Petunia Results in Reversible Co-Suppression of Homologous Genes in trans," <i>The Plant Cell</i> <u>2</u> :279-289 (1990)
	68.	Ogawa, T., et al., "Trans Complementation of Virus-Encoded Replicase Components of Tobacco Mosaic Virus," <i>Virology</i> , <u>185</u> :580-584 (1991)
	69.	R.W. Old and S.B. Primrose, <i>Principles of Gene Manipulation</i> 5 <sup>th</sup> ed., Blackwell Science, Oxford, U.K. (1994)
	70.	Palmenberg, A.C., "Proteolytic processing of picornaviral polyprotein," <i>Annu. Rev. Microbiol.</i> <u>44</u> :603-623 (1990).
	71.	Palomar, M.K., et al. "Base sequence homology in the RNAs of barley stripe mosaic virus," <i>Virol.</i> <u>77</u> (2):471-480 (1977).
	72.	Petty, I.T., et al. "Identification of barley stripe mosaic virus genes involved in viral RNA replication and movement," <i>EMBO Journal</i> <u>9</u> :3453-3457 (1990)
jdh	73.	Petty, I.T., et al. "Infectious barley stripe mosaic virus RNA transcribed in vitro from full-length genomic cDNA clones," <i>Virol.</i> <u>171</u> (2):342-349 (1989).

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<i>[Signature]</i>	74.	Plant Virology Protocol: From Virus Isolation to Transgenic Resistance in Methods in molecular Biology, Vol. 81, Foster & Taylor, Ed., Humana Press (1998)
<i>[Signature]</i>	75.	Pogue, G.P., et al., "Tobamovirus transient expression vectors: Tools for plant biology and high-level expression of foreign proteins in plants," Plant Mol. Biology Manuel (S.B. Gelvin and R.A. Schilperoort, eds.) L4, pp.1-27 (1998) Kluwer Academic Publishers, Dordrecht, The Netherlands
	76.	Ryan, M.D., and Drew, J. "Foot-and-mouth disease virus 2A oligopeptide mediated cleavage of an artificial polyprotein," EMBO Journal <u>13</u> (4):928-933 (1994).
	77.	Ryan, M.D., et al., "Cleavage of foot-and-mouth disease virus polyprotein is mediated by residues located within a 19 amino acid sequence," <u>72</u> (Pt 11):2727-2732 (1991)
	78.	Turpen, T., et al., "Transfection of whole plants from wounds inoculated with Agrobacterium tumefaciens containing cDNA of tobacco mosaic virus," J. of Virological Methods <u>42</u> :227-240 (1993)
	79.	Van Lijsebettens, M., et al., "An S18 ribosomal protein gene copy of the Arabidopsis PFL locus affects plant development by its specific expression in meristems," EMBO J. <u>13</u> (14):33768-3388 (1994)
	80.	Velculescu, V., et al., "Characterization of the Yeast Transcriptome," Cell <u>88</u> :243-251 (1997)
	81.	Walkey, D.G.A., <u>Applied Plant Virol.</u> , Chapman & Hall ed. (1991)
	82.	Weiland, J.J., and Edwards M.C., "A single nucleotide substitution in the alpha a gene confers oat pathogenicity to barley stripe mosaic virus strain ND18," MPMI <u>9</u> (1):62-67 (1996).
<i>[Signature]</i>	83.	Zhang, L., et al. "Gene Expression Profiles in Normal and Cancer Cells," Science <u>276</u> :1268-1272 (1997)
<i>[Signature]</i>	84.	Zhou, H., and Jackson, A.O., "Expression of the barley stripe mosaic virus RNA beta 'triple gene block'." Virol. <u>16</u> (2):367-379 (1998).

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DR. GEORGIA HELMER